

Handheld Computing System 110

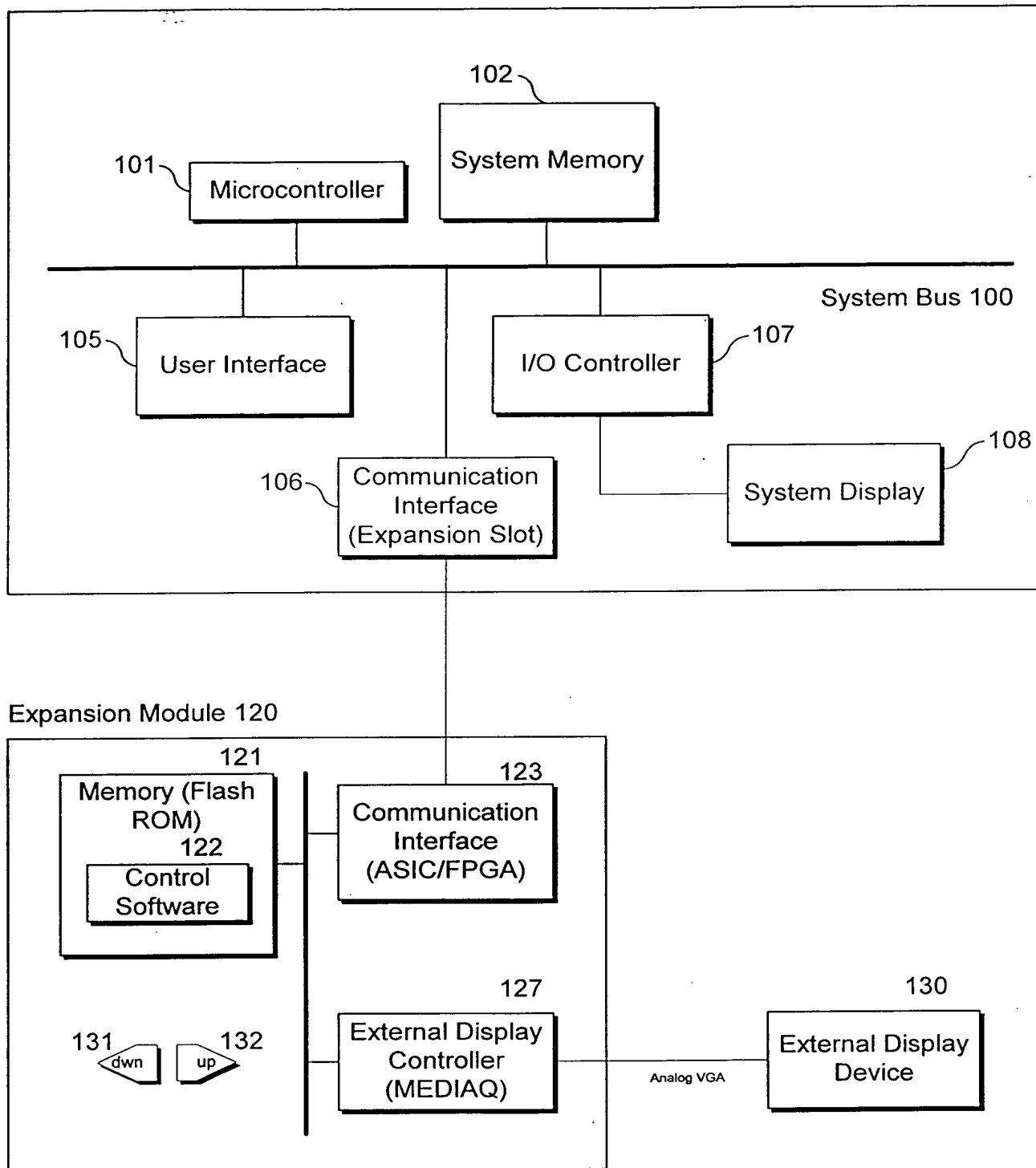


FIG. 1

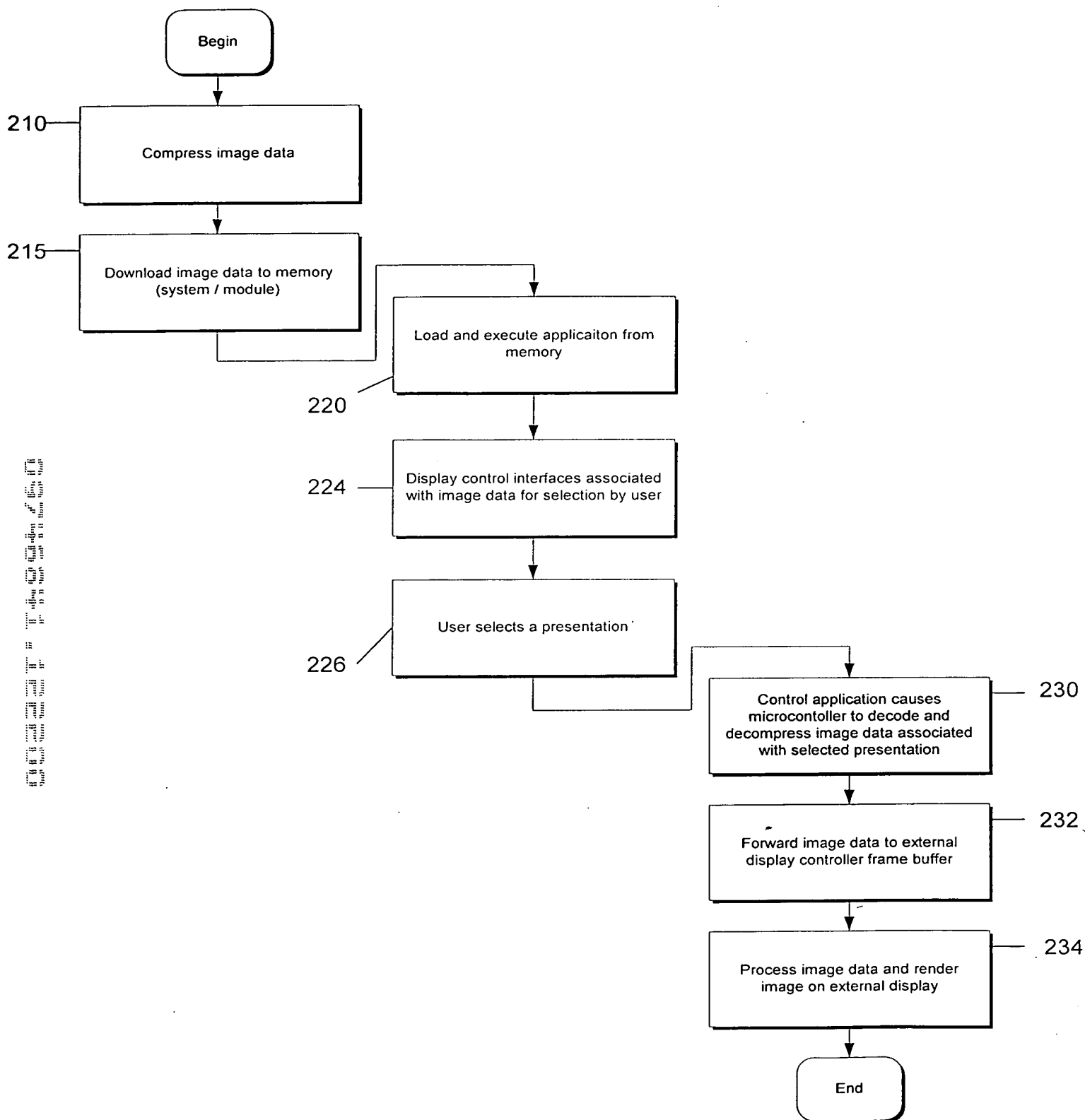


FIG. 2

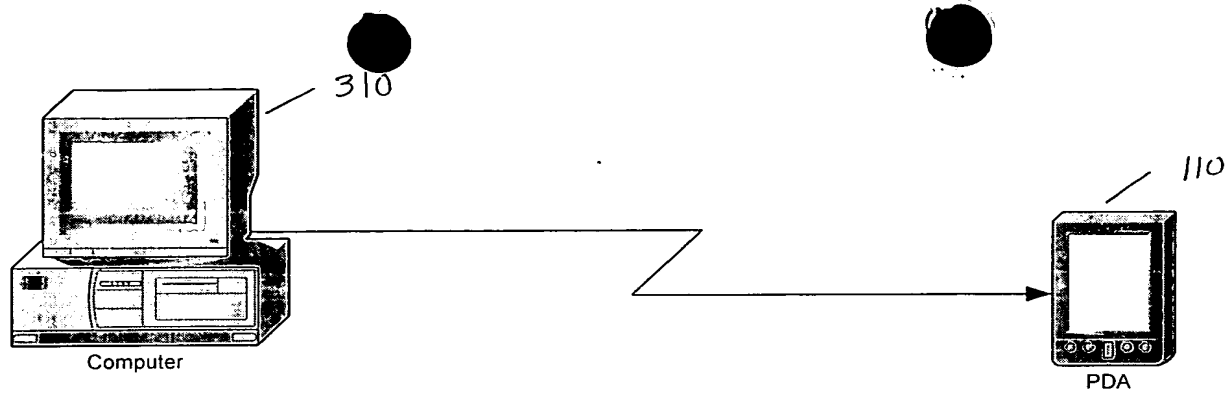


FIG. 3A

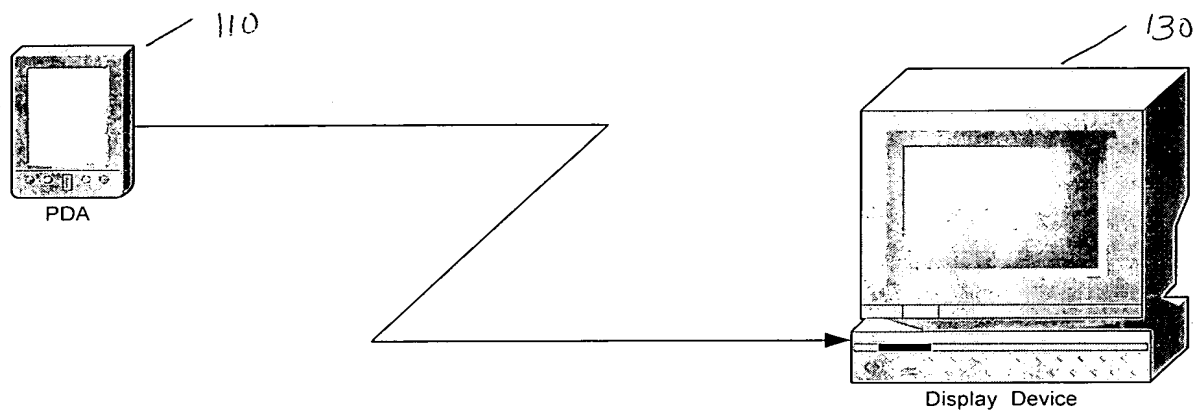


FIG. 3B

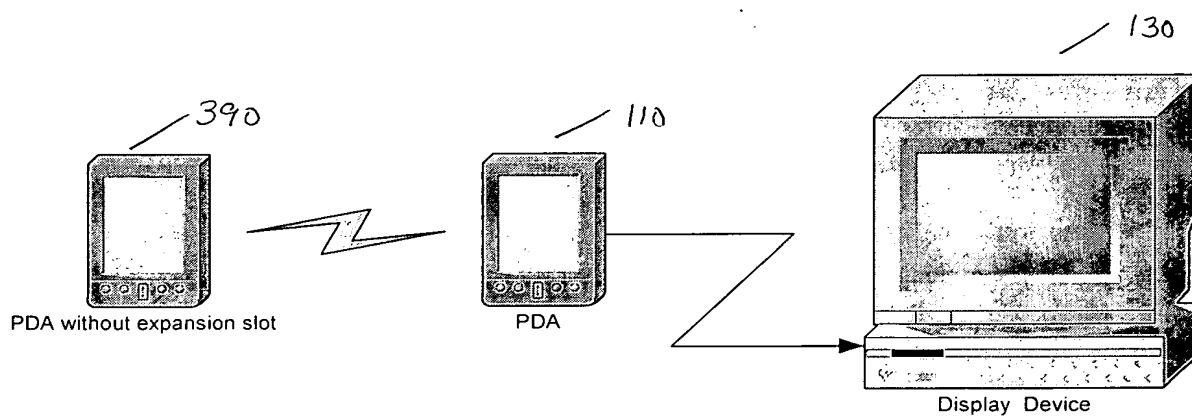


FIG. 3C

Menu: FILE

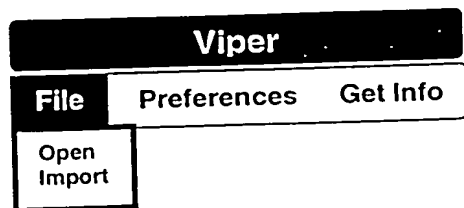


FIG. 4A

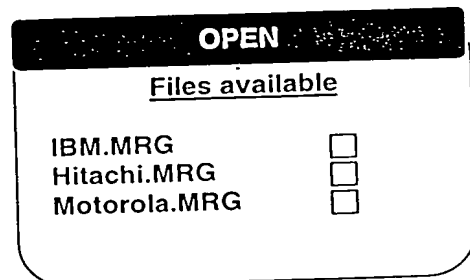


FIG. 4B

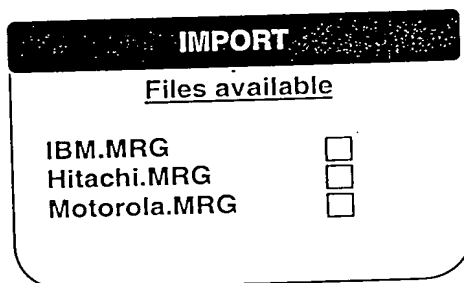


FIG. 4C

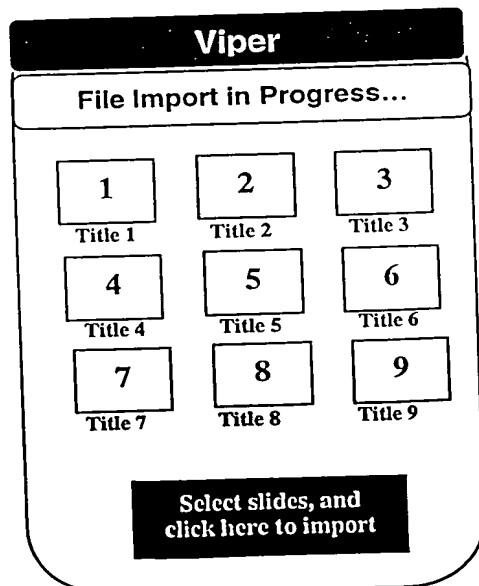


FIG. 4D

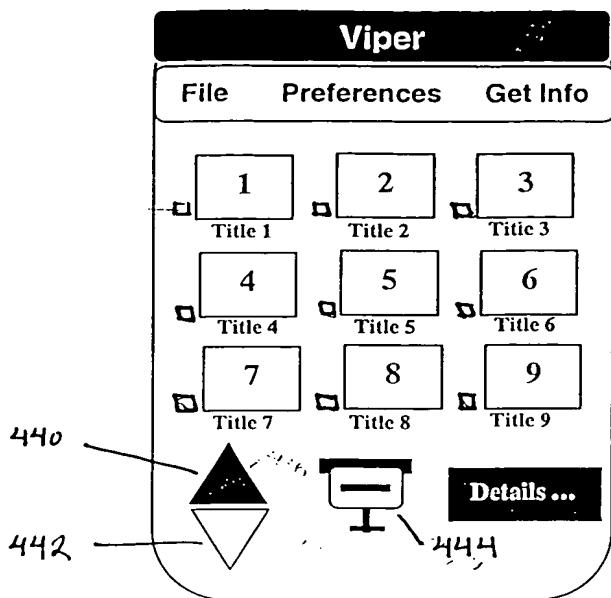


FIG. 4E

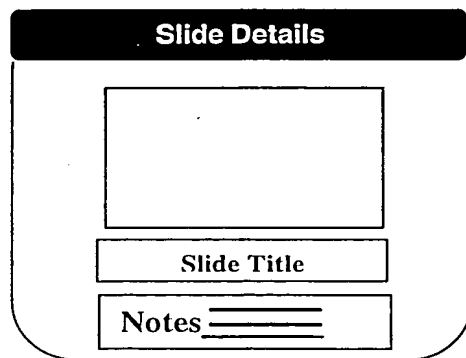
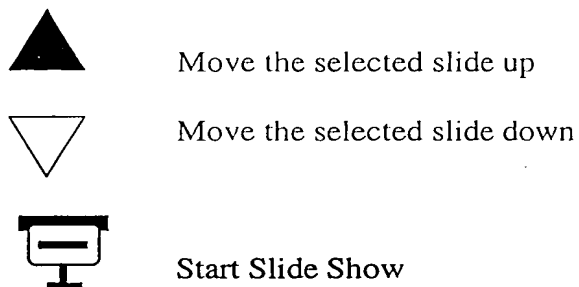


FIG. 4F

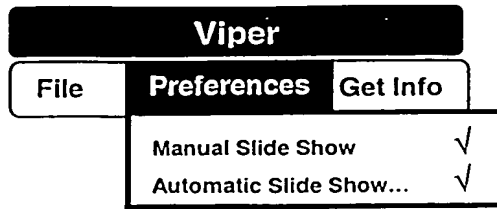


FIG. 4G

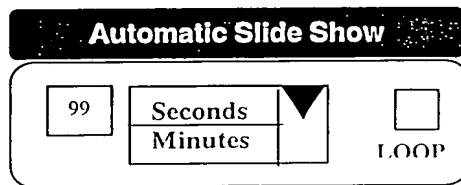


FIG. 4H

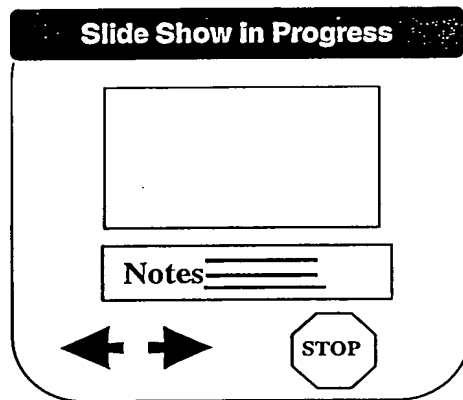


FIG. 4I

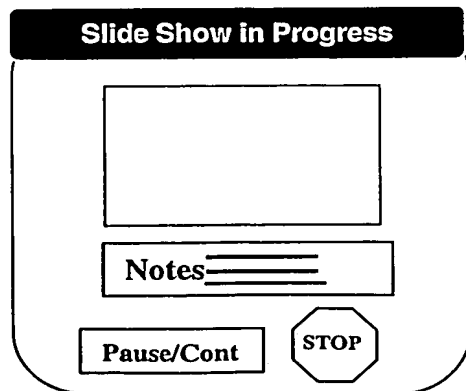


FIG. 4J

FIG. 5B is a diagram illustrating the bit planes of a 32-bit pixel value. The diagram shows the bit planes for a 32-bit pixel value, where the bits are grouped into 1-bit, 2-bit, 4-bit, 8-bit, 16-bit, 24-bit, and 32-bit planes. The bit planes are labeled as follows:

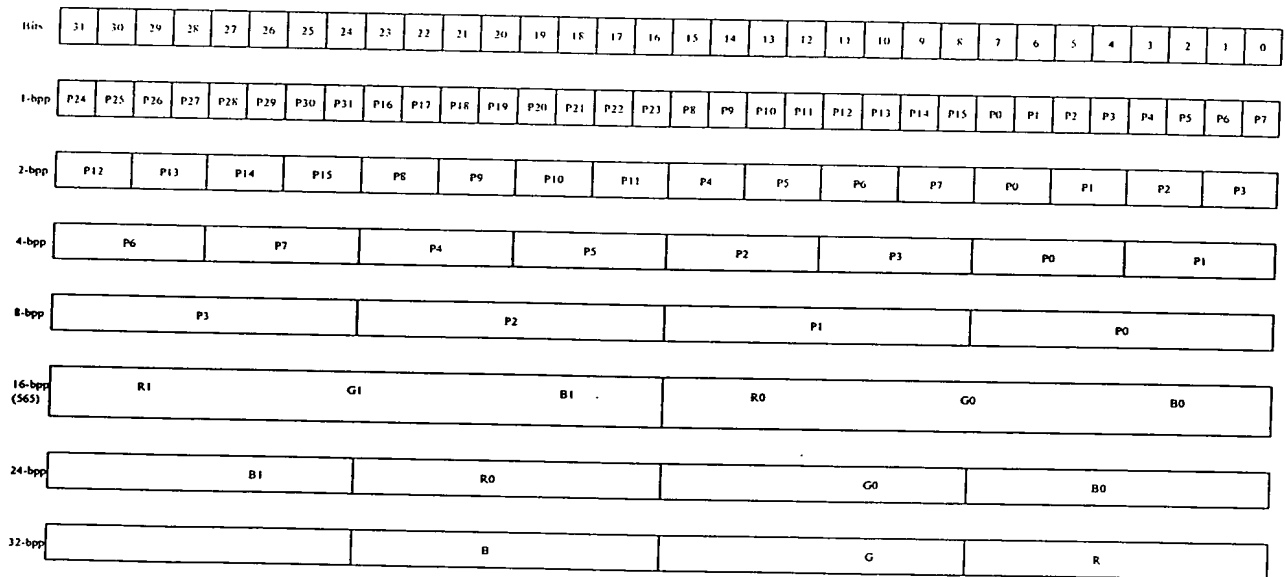


FIG. 5B

Register Addresses		Read (16 bits)	Write (16 bits)
High Address bits	Low Address (0-7)		
0x298000	00	ID, Version #, Status	Interrupt, Timer, Control
0x298000	02	Microcontroller Data Exchange Register	Microcontroller Data Exchange Register
0x298000	04	Microcontroller Data Transfer Status Register	Microcontroller Data Transfer Status Register
0x298000	06-0f	Reserved for Future	Reserved for Future

FIG. 5C

Handheld Computing System 110

FIG. 6 is a block diagram of a handheld computing system 110 and an expansion module 120. The handheld computing system 110 includes a microcontroller 101, system memory 102, a user interface 105, a system display controller 107, a communication interface 106, and a system display 108. The expansion module 120 includes a memory (Flash ROM) 121, control 122 software, an audio interface 137, a communication interface 123, an external memory interface 124, a microcontroller (DSP) 125, an external display controller 127, and a transmitter (Panel Link) 126. The expansion module 120 is connected to the handheld computing system 110 via a wireless connection. The expansion module 120 is also connected to an external memory (Flash) 140, an external display device 130, and a power source 150. The external display device 130 is connected to the expansion module 120 via a DVI Digital Signal and a Power feed back line. The power source 150 is connected to the external display device 130 and the expansion module 120. The expansion module 120 also includes a DC in 135, a switch 133, and a down/up button 131/132.

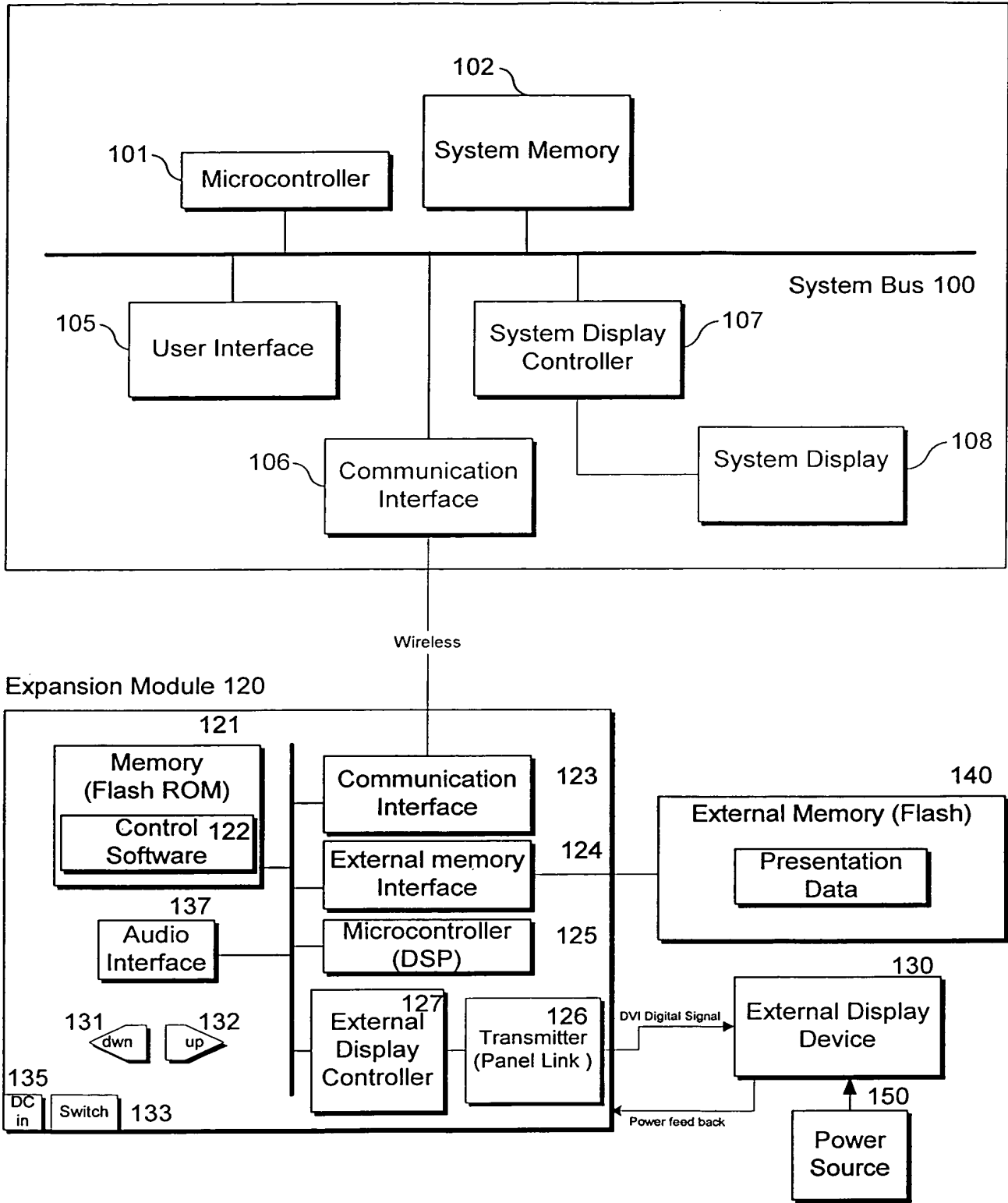


FIG. 6

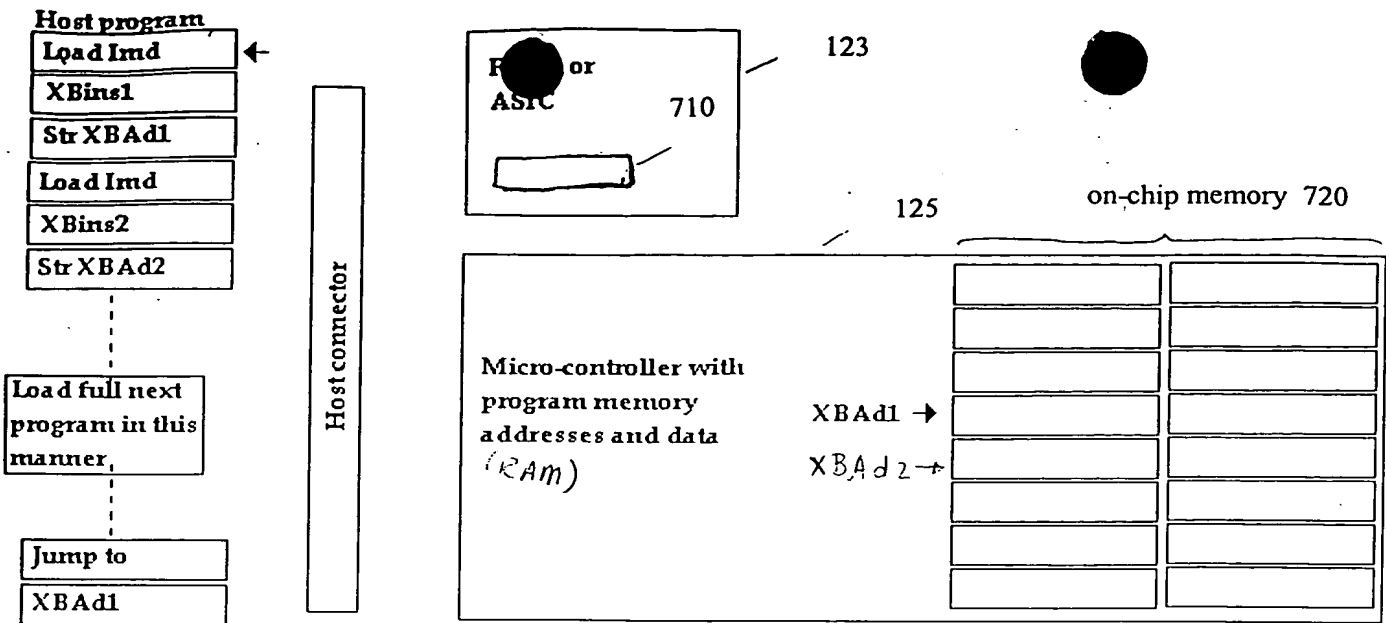


FIG. 7A

After reset

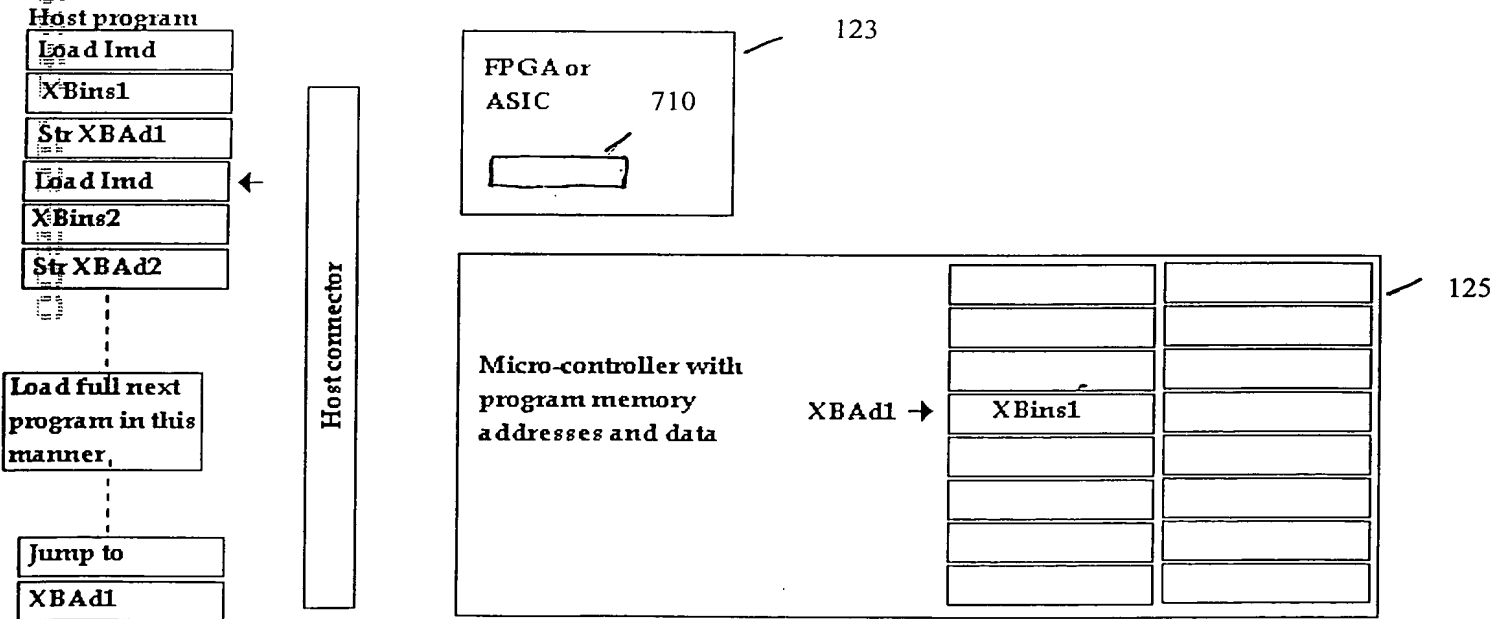


FIG. 7B

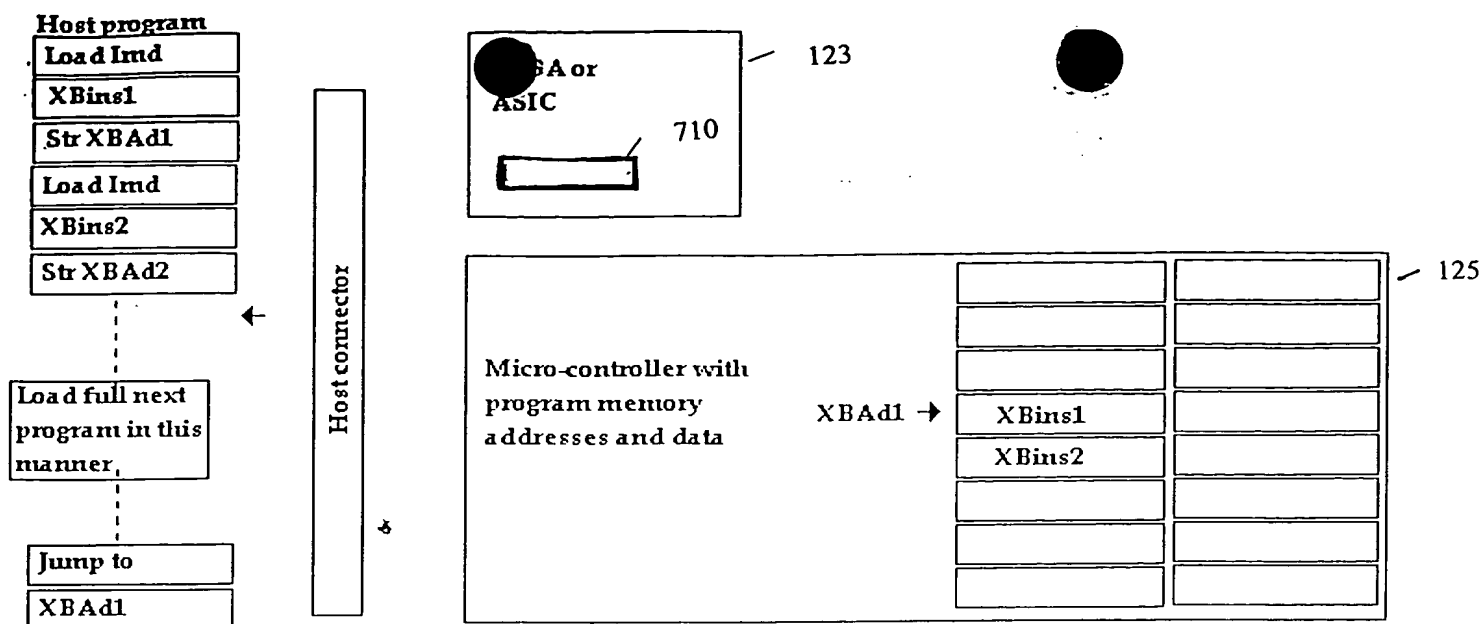


FIG. 7C

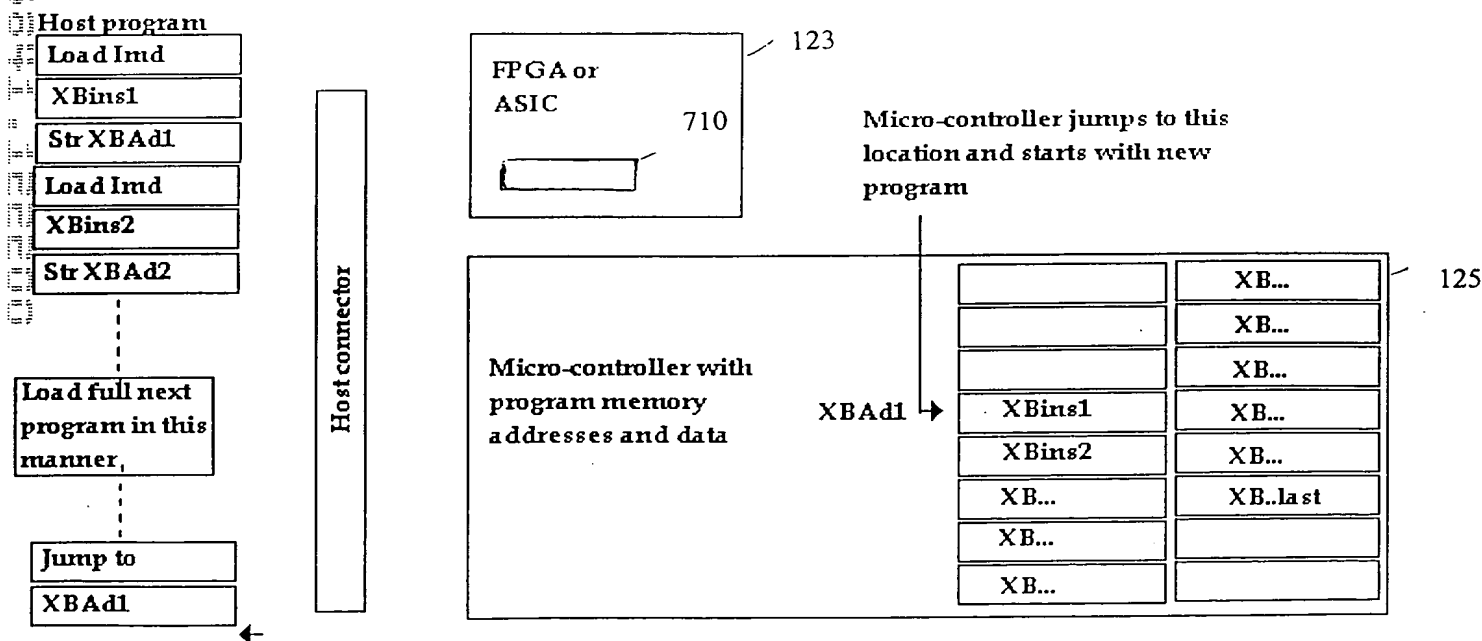


FIG. 7D

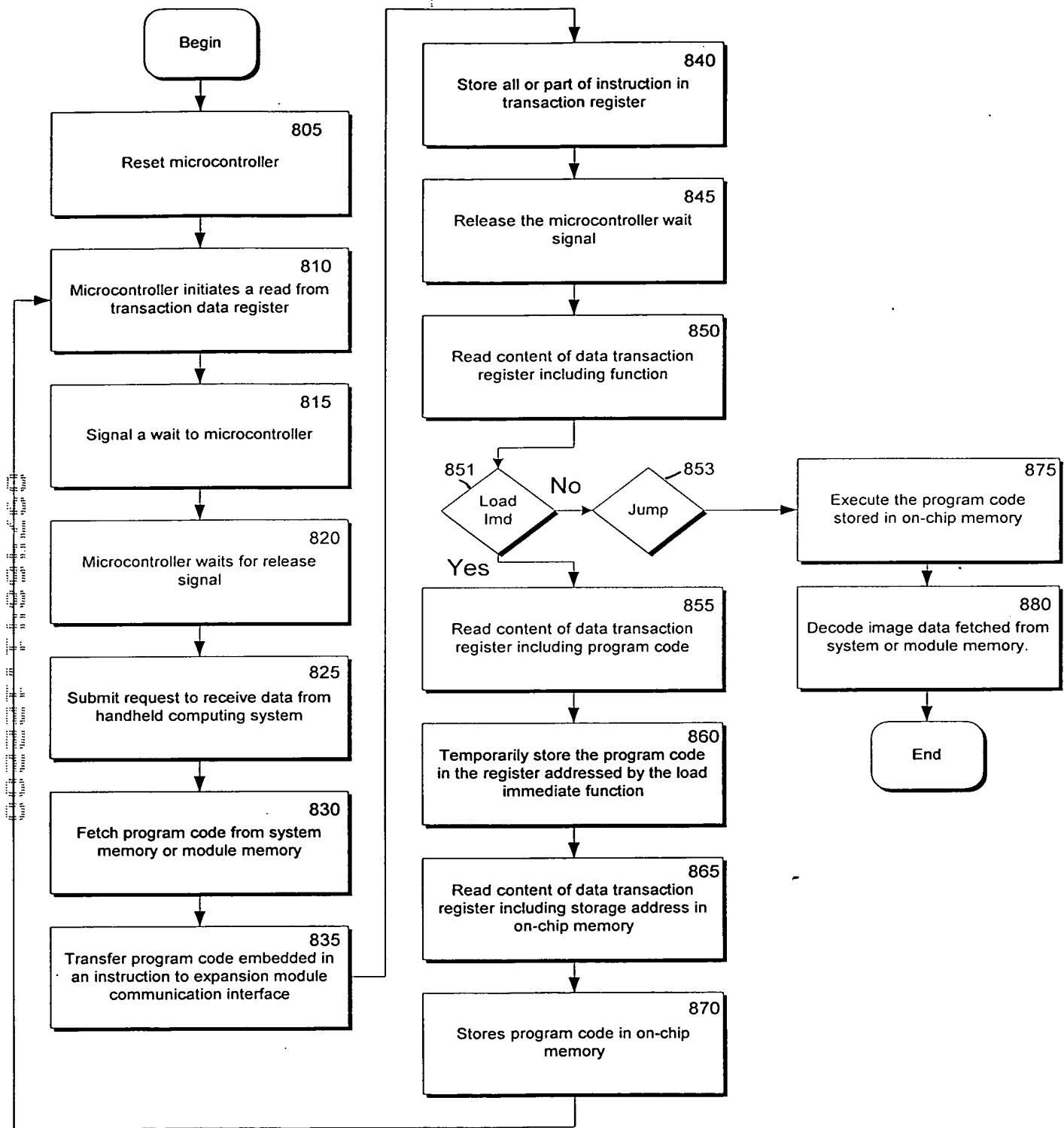


FIG. 8

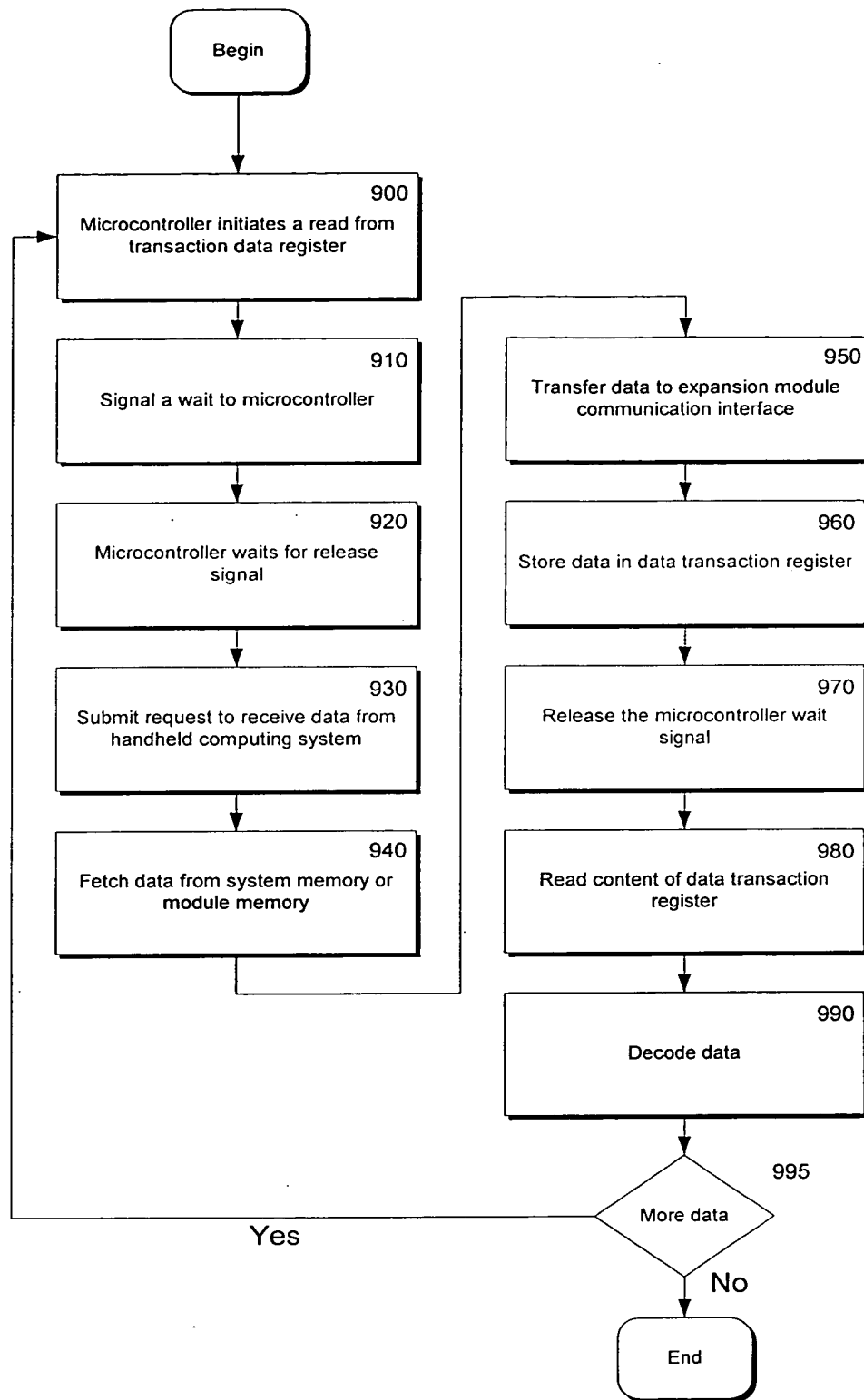


FIG. 9